

# Refrigerant reclaim solutions.

Reuse waste refrigerants and protect the environment.





# Be cool, protect the environment. Quality assured solutions and services.

## Introduction

As a global technology leader, Linde Gas is committed to protecting the environment. Our innovative solutions and services have long pioneered clean technologies and the replacement of harmful substances with eco-friendly alternatives. This expertise includes the reclamation of waste refrigerant, that is the collection, cleaning and restoration of used refrigerants to 'as new' quality for reuse.

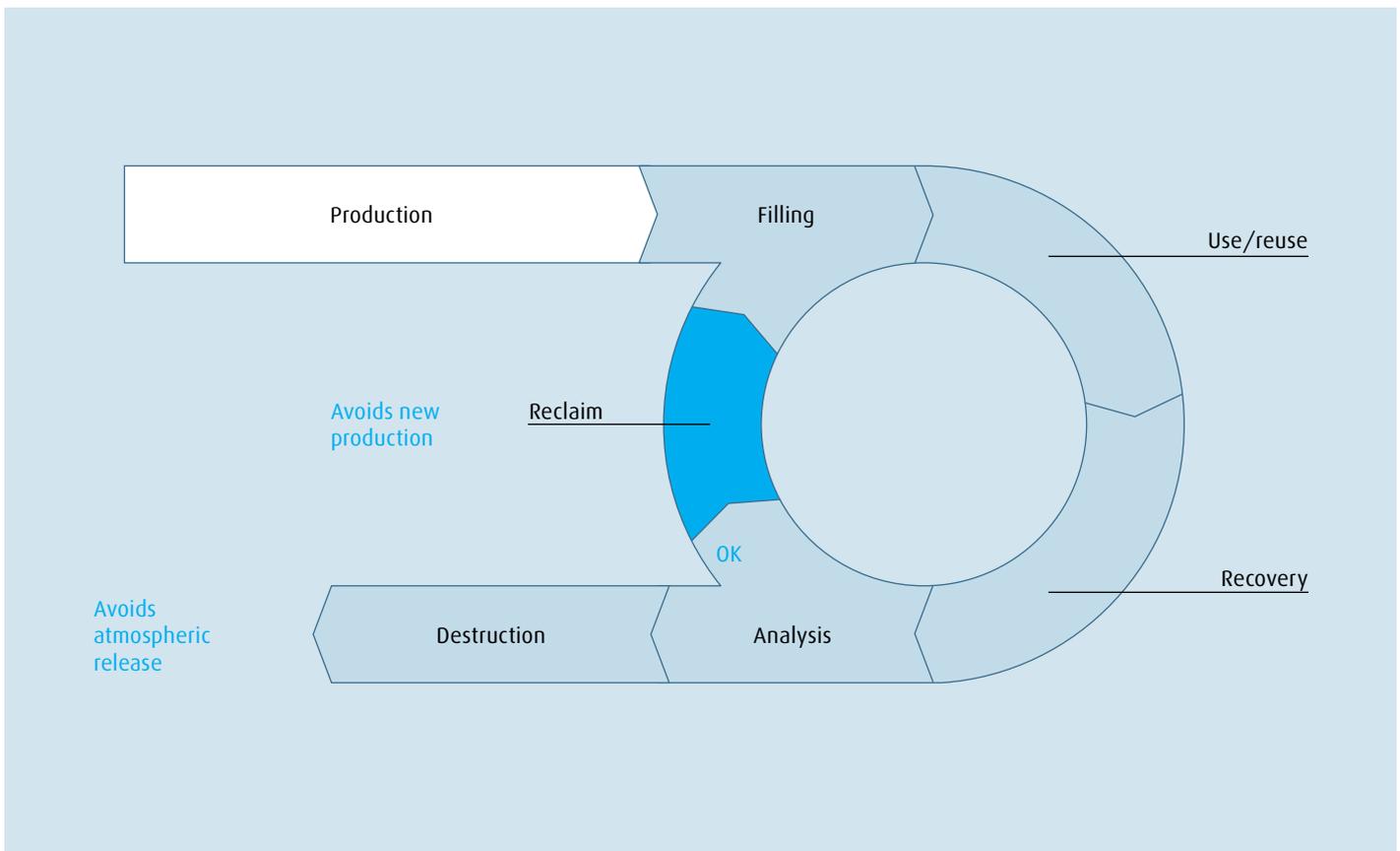
Whether your application is air conditioning, commercial refrigeration, process chilling or heat extraction, we can help you. Our proven expertise will enable you to meet your environmental responsibility and satisfy regulatory compliance when your refrigerant gases approach the end of their life-cycle.

## Why the need to reclaim refrigerants?

It is well understood that many fluorocarbon refrigerant gases, when released into the atmosphere, contribute to ozone depletion and global warming.

The Montreal and Kyoto Protocols called for countries around the world to help the environment and phase out harmful refrigerants, replacing them with next-generation fluorocarbon and natural refrigerants. Legislation is also driving the need to reduce emissions via reduced charge sizes within refrigeration systems, improved equipment design, better maintenance and inspection procedures. Companies have also come to recognise their ethical obligation to protect the environment.

Even with these changes, any refrigerant will eventually reach the end of its useful life within a refrigeration system. This requires the system to be recharged with new, virgin gas. Linde advocates safe and environmentally friendly recovery, reclaim and reuse of refrigerants to avoid the unnecessary disposal of waste gas and production of new material.



The Linde refrigerant recovery cycle.

# Global expertise: local service. A trusted partner

## Refrigerant reclaim solutions

At Linde we have the expertise to help you reclaim and reuse refrigerants wherever possible. We provide comprehensive, cost-effective services tailored to the needs of refrigeration systems large or small through the:

- Supply of recovery cylinders that enable on-site collection (small volumes)
- Direct collection of larger volumes in drums or ISO containers.
- On-site recovery and system rectification service (selected areas)
- Refrigerant reclamation
- Environmentally friendly waste destruction services
- Consultancy – assistance with all legal requirements including waste gas management regulations, certification and environmental reporting
- Certification of treatment – legal proof of responsible refrigerant care.

## Key business benefits

Refrigerant reclamation delivers measurable business benefits. Enabling you to meet environmental obligations through best-practice. It:

- avoids the release of ozone depleting and global warming gases
- eliminates the need to produce new refrigerants.

At Linde we guarantee the quality of our reclaimed refrigerants – unlike recycled products, they meet Air-Conditioning, Heating and Refrigeration Institute (AHRI) 700 specification. This ensures:

- Reduced risk of hydrolysis, corrosion or compressor failure
- Reduced risk of rogue thermodynamic properties in the fluid
- Optimal equipment operation and energy efficiency
- Compliance with consumer and legislative demand
- Delivery of the corporate sustainability agenda.

## Further information

For further information regarding refrigerant reclaim solutions and services available in your area please contact your local Linde supplier.

Alternatively visit [www.linde-gas.com/refrigerants](http://www.linde-gas.com/refrigerants)

# Getting ahead through innovation.

With its innovative concepts, Linde is playing a pioneering role in the global market. As a technology leader, it is our task to constantly raise the bar. Traditionally driven by entrepreneurship, we are working steadily on new high-quality products and innovative processes.

Linde offers more. We create added value, clearly discernible competitive advantages and greater profitability. Each concept is tailored specifically to meet our customers' requirements – offering standardised as well as customised solutions. This applies to all industries and all companies regardless of their size.

If you want to keep pace with tomorrow's competition, you need a partner by your side for whom top quality, process optimisation and enhanced productivity are part of daily business. However, we define partnership not merely as being there for you but being with you. After all, joint activities form the core of commercial success.

Linde – ideas become solutions.

